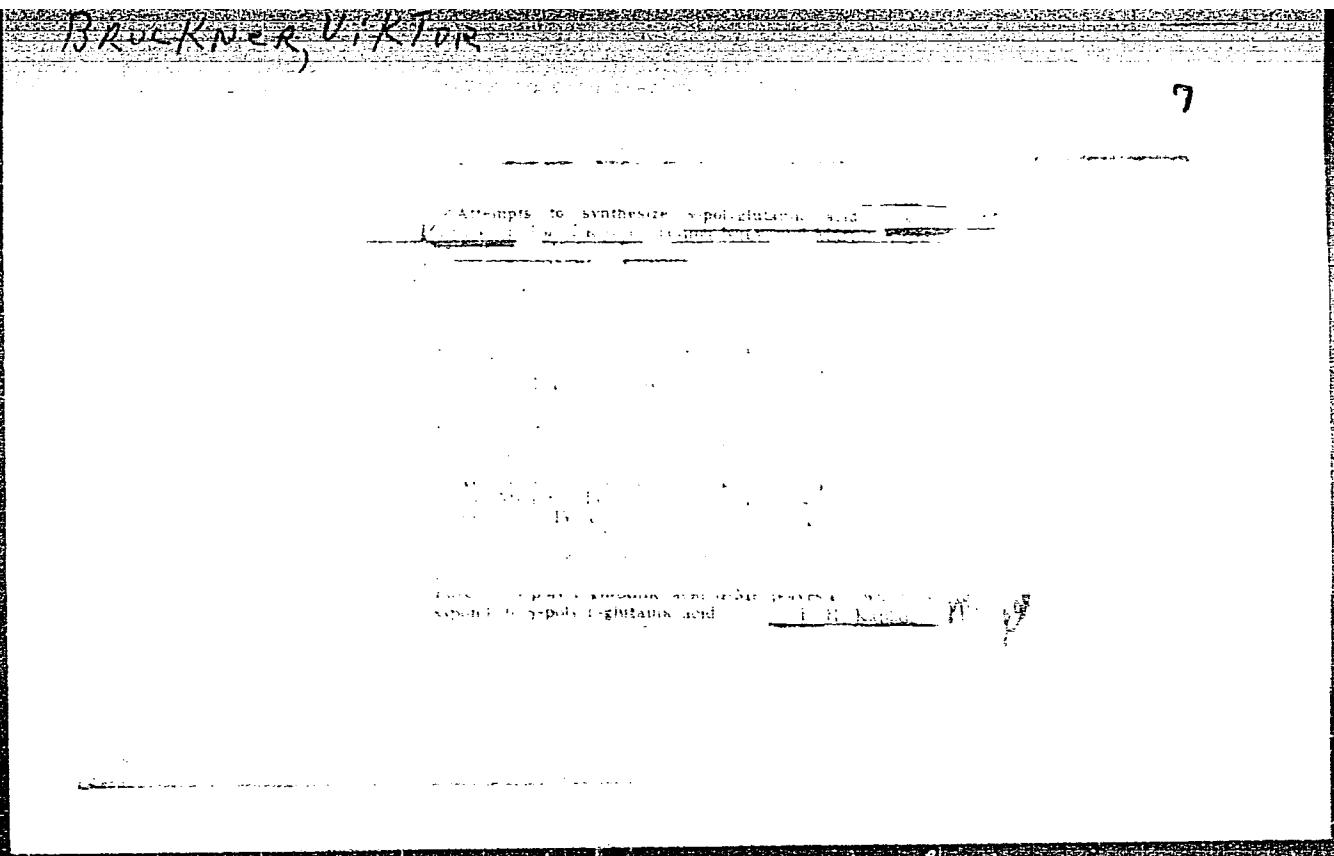


"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110006-3



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Bruckner, Viktor

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The structure of native poly-D-glutamic acid. V. Viktor  
Bruckner, J. Kovács, I. Kandel, and G. Dineo (L. Eötvös  
Univ., Budapest), *Acta Chim. Acad. Sci. Hung.* 7, 23-39  
(1966) (in German); cf. *C.A.* 64, 7652a.—Attempts to det.  
the presence of the  $\alpha$ -glutamyl bond in poly-D-glutamic  
acids, [mobilis-polypeptide (I) and onthax-polypeptide  
(II)] by 2 methods of degradation complemented by paper  
chromatography were unsuccessful. Formation of the  
same amt. of  $\text{OHCC}_2\text{CH}_2\text{CO}_2\text{H}$  by I and II indicates a  
system of  $\gamma$ -glutamyl bonds and practically identical struc-  
ture. H. Whitaker

PM  
sp

BRUCKNER, V

The type of linkage of the amide residues of the  $\alpha$ -amino dicarboxylic acids of proteins. J. Kovacs, I. Kandl, M. Kanda, and V. Bruckner (Univ. Budapest). *Zs. Periodica  
Chim.*, 1971, 1980(1981) 10, 1071-1077. - Cysteic glutamyl (I) and chymotrypsinogen (II) were treated with alk. NaOCl soln. equiv. to the amide groups present and then hydrolyzed with acid. Paper chromatographic analysis of the acid hydrolysates of I showed MeCHO,  $\beta$ -formylpropionic acid,  $\alpha,\beta$ -diaminopropionic acid (III), and  $\alpha,\gamma$ -diaminobutyric acid (IV) to be present, whereas the dialyzate of II contained only III and IV. It is suggested that in II the amide groups of the amino dicarboxylic acids represent aspartyl and glutamyl residues; in I in addit. to these,  $\alpha$ -glutamyl residues are probably present. D. S. Farmer

BRUCKNER V

✓ Intramolecular  $\alpha,\gamma$ -transpeptidation of  $\alpha$ -polyglutamic acid. V. Bruckner, J. Kovács, and K. Medzibradszky (Univ. Budapest). Naturwissenschaften 42, 99-7 (1955).  
Heating a soln. of  $\alpha$ -polyglutamic acid in HCONMe with Ac<sub>2</sub>O in a N atm. a few hrs. at 110° gave an anhydropolyglutamic acid (I). insol. in NaHCO<sub>3</sub> readily sol. in 0.5N NaOH (room temp.). A polyglutamic acid (II) can be ptd. as the Cu salt from a soln. of I in 0.5N NaOH. II is sol. in H<sub>2</sub>O and gives a bluish bitter reaction. II is a transition type between the  $\alpha$  and  $\gamma$  types. The constitution was std. by degradation in which both  $\beta$ -formylpropionic acid and  $\alpha,\gamma$ -diaminobutyric acid were formed, the  $\gamma$ -glutamyl bonds dominate. It is not certain whether the reaction also gives racemization.

B. J. C. van der Hoeven

(3)

BRUCKNER, V.

✓ 2728. Synthesis of  $\alpha$ ,  $\gamma$ -poly-L-glutamino acid. V. Bruckner, M. Szekerka, and J. Kovács *Naturwissenschaften*, 1955, 42, 179 (Inst. Org. Chem., Univ., Budapest). —  $\gamma$ -L-Glutamyl-L-glutamic acid  $\alpha$ ,  $\gamma$ -dimethyl ester was polymerised to a polyester which on saponification and pptn. of the Cu salt yielded  $\alpha$ ,  $\gamma$ -polyglutamic acid as a floccular, white substance. Hydrolysis with HCl produced glutamic acid. The ninhydrin reaction on paper was faintly positive, the biuret colour bluish violet. (German) P. G. STANLEY. (2)

*BRECK MCKEE*

*Properties of poly(1-formyl-2-*

*formylcyclohexene)*

Upon heating the polymer decomposes with continual removal of CO<sub>2</sub> formed on the surface. After modification the mixed anhydride is formed when PhCO<sub>2</sub>H is used to give a complex which is soluble in benzene. This is made and subsequently the polymer is treated with the Nagel-Hexane procedure. The product is then treated with PhCO<sub>2</sub>H again and the product is polymerizable in hot pyridine. Cu<sup>2+</sup> does not affect the polymerization of the cyclohexene monomer. It is believed that through its Cu salt as a strong organic sulfide, Cu<sup>2+</sup> gives no Baer reaction and a weakish peroxide-like reaction much like natural polyglutamic acid.

BRUCKNER, V., AND OTHERS

Attempts to synthesize  $\gamma$ -polyglutam c acid. In German. p. 219. Vol 6, No 1/2, 1955  
ACTA CHIMICA, Budapest, Hungary.

So: Eastern European Accession. Vol 5, No 4, April 1956

BRUCKNER, V.; VAJDA, T.; KOVACS, J.

On B-poly-DL-aspartic acid. In German. p. 219. Vol 6, No 1/2, 1955. ACTA  
CHIMICA, Budapest, Hungary.

So: Eastern European Accession. Vol 5 No 4, April 1956

BRUCKNER, V.

**XICERPTA MEDICA Sec.4 Vol.9/8 Microbiology, etc. ~~Am56~~**

1982. BRUCKNER V., WEIN J., KAJTÁR M. and KOVÁCS J. Organ.-chem.  
Inst., Univ. Budapest. "Synthesis des immunspezifischen Haptens (der  
natürlichen Poly-D-glutaminsäure) der Anthrax-subtilis-Bacillengruppe."  
The synthesis of the immune-specific haptene (of na-  
tural poly-D-glutaminic acid) of the anthrax subtilis  
group NATURWISSENSCHAFTEN 1953, 42/16 (483)  
The synthesis of a mixture of polymeric homologous  $\gamma$ -poly-D-glutaminic acids is  
described. The identity of the natural with the synthetical poly-D-glutaminic acid  
was proved by precipitation with horse anthrax immune serum.

Rische - Wernigerode

Dialkylthiophosphorylmercaptoacide acid and derivatives: preparation and insecticidal action. V. Bruckner  
(Plant-protection Research Inst., Budapest). *Vetensk. medd.* 3, 343-8 (1960); cf. U.S. 2,578,652, C.A. 46, 6139. — Dimethylthiophosphoric acid was prepd. by vacuum distn. It was fractionated at 3 mm. and 78°; its acid content titrated with alc. 0.5N KOH was 93.4% (methyl orange) and 98.9% (phenolphthalein); diethylthiophosphoric acid distd. at 98° and 8 mm. gave 88.9%, 89.6% acid, resp. Pure compds. were used in the expts. at room temp., protected from air and humidity. The new one-step method for prepn. of dialkylthiophosphorylmercaptoacetic acid and its monocalkylesters directly from maleic anhydride, H<sub>2</sub>O or alc., and dialkylthiophosphoric acid was developed based on the Mel'nikov-Slavetsova-Shilovskaya synthesis (C.A. 48, 6561) by adding to 0.01 mole maleic anhydride or 0.01 mole maleic acid and 0.01 mole dialkylthiophosphoric acid, resp. Insecticide action of (RO)<sub>2</sub>P(S)CH<sub>2</sub>COR<sup>2</sup> was tested against *Doratis fabae* with a 1% dust compn. [R, R', R'', n<sub>H</sub>, effectiveness (%), and time (hrs.) given]: Me, OH, OH, —, 0, 24; Et, OH, OH, —, 40, 24; Me, OMe, OH, 1.5156, 100, 7; Me, OEt, OH, 1.5133, 70, 24; Et, OMe, OH, 1.5084, 90, 24; Et, OEt, OH, 1.5026, 20, 24; Me, OMe, OMe, 1.5078, 100, 1; Me, OEt, OEt, 1.4943, 100, 4; Et, OMe, OMe, 1.4902, 100, 1; Et, OEt, OEt, 1.4881, 100, 8. Also tested were: (MeO)<sub>2</sub>P(S)SCH<sub>2</sub>COOCH<sub>3</sub>, 1.5433, 100, 24; and (EtO)<sub>2</sub>P(S)SCH<sub>2</sub>COOCH<sub>3</sub>, 1.5258, 0, 24. Michael M. Veres

3

FM

Brucknor, V.

HUNGARY/Organic Chemistry. Natural Compounds and G-3  
Their Synthetic Analogues.

Abs Jour : Ref Zhur-Khimiya, No 9, 1959, 31535

Author : Vajda, T., Brucknor, V.

Inst : AS Hungary.

Title : Conversion of Aspartic Acid into Poly-  
aspartic Acid of Mixed Type.

Orig Pub : Acta chim. Acad. scient. hung., 1958, 16,  
No 2, 215-226

Abstract : A mixture of carboxyanhydrides, 4-carboxy-  
methyl-1,3-oxazolidinedione-2,5 (II) and  
2,3,5,6-tetrahydro-4-carboxy-1,3-oxazine-  
dione-2,6 (III), which do not produce the  
biuret reaction is formed by the action of  
phosgene on L-aspartic acid (I) (in abs.

Card : 1/3

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HUNGARY/Organic Chemistry. Natural Compounds and G-3  
Their Synthetic Analogues.

Abs Jour : Ref Zhur-Khimiya, No 9, 1959, 31535

dioxane, 470°); after allowing it to stand in vacuo over P<sub>2</sub>O<sub>5</sub> for 2 months, the biuret reaction is positive. The treatment of the mixture of II and III with conc. NH<sub>3</sub> results in the formation of isoasparagine, asparagine and I. The heating of II and III in high vacuo at 130° results in the formation of a mixed polyaspartic acid (IV) containing α and β -aspartyl groups. In order to prove the above, IV was converted through the polymethyl ester of IV into a polyanide; the latter was treated with NaOCl, and α, β-diaminopropionic acid and acetaldehyde were obtained as the result of Hofmann's degradation

Card : 2/3

HUNGARY/Organic Chemistry. Natural Compounds and G-3  
Their Synthetic Analogues.

Abs Jour : Ref Zhur-Khimiya, No 9, 1959, 31535

reaction followed by hydrolysis, the acid having been produced from the  $\alpha$ -groups, and the acetaldehyde from the  $\beta$ -groups. Monoacid chlorides of carbobenzoxy-II- and DL-aspartic acid produced benzyl esters of IV (L- and DL-V) when heated in vacuo. IV was prepared from L-V. -- A. Yurkevich

Card : 3/3

117

BRUCKNER, V. AND OTHERS.

Contributions to establishing the type of bond of glutamylic residues in polypeptides. In German. p. 105.

ACTA CHIMICA. (Magyar Tudomanyos Akademia) Budapest, Hungary. Vol. 21, no. 1, 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl

BRUCKNER, Viktor, prof., dr. (Budapest); KOTAI, Andras, dr. (Budapest);  
Kovacs, Kalman, dr. (Budapest)

Data on the inhibition of the partial  $\alpha \rightarrow \gamma$  -transpeptidization  
following the alkaline saponification of -glutamylpeptide  
esters. Acta chimica Hung 21 no.4:427-443 '59. (EPAI 9:6)

1. Institute of Organic Chemistry, L. Eotvos University, Budapest.  
(Glutamyl transferase) (Saponification)  
(Peptides) (Esters)

BRUCKNER, Viktor, prof., dr. (Budapest); KOVACS, Kalman, dr. (Budapest);  
SZASZ, Gabor (Budapest)

Data on the ring splitting of 1-homoarylisouquinolines through  
exhaustive methylation. Acta chimica Hung 21 no.4:409-415 '59.  
(EPAI 9:6)

1. Institute of Organic Chemistry, L.Eotvos University,  
Budapest.  
(Aryl groups) (Isoquinoline) (Methylation)

BRUCKNER, Viktor, prof., dr. (Budapest); KAJTAR, Marton, dr. (Budapest)

Contribution to the mesoide  $\gamma$ -poly-glutamic acids. Acta chimica,  
Hung 21 no.4:417-425 '59. (EKA 9:6)

1. Institute of Organic Chemistry, L. Eotvos University, Budapest.  
(Glutamic acid)

Bruckner, V

Distr: 4E3d

✓ Simple synthesis of pentacene. V. Bruckner, A. Kar-czeg Wilhelms, K. Kormendy, M. Mezzaros, and J. Tomasz (L. R鷖ds Univ., Budapest, Hung.). *Tetra-hedron Letters* 1960, No. 1, 5-8.—Pentacene-6,13-quinone [50 g., obtained in 78% yield from cyclohexane-1,4-dione and o-C<sub>6</sub>H<sub>4</sub>(CHO), according to Ried and Anthofer (CA 48, 12731b)] refluxed 48 hrs. with 50 g. Al in 1000 ml. C<sub>6</sub>H<sub>6</sub>OH gave 21-3 g. pentacene, purified without loss by washing with C<sub>6</sub>H<sub>6</sub>OH, hot AcOH, concd. HCl and H<sub>2</sub>O. It was assumed that similar reduc. of quinone or diquinones with Al alcoholates may be successfully employed for the prepn. of the corresponding hydrocarbons.

C. R. Addman

7  
822(AB)  
1

BRUCKNER, Viktor (Gyozo), prof. (Budapest); KARCZAG (Wilhelms), Adrienne  
(Budapest); KORMENDY, Karoly (Budapest); MESZAROS, Mihir (Budapest);  
TOMASZ, Jeno (Budapest)

A simple and productive synthesis of pentacene. Acta chimica Hung 22  
no.4:443-448 '60. (EEAI 10:2)

1. Institute of Organic Chemistry, Lorand Eotvos University, Budapest.  
(Pentacene)

BAJUSZ, Sander (Budapest VIII., Rottenbiller u. 26). LEMES, Katalin (Budapest VIII., Rottenbiller u. 26); KISFALUDY, Lajos (Budapest X., Cserekész u. 63); MEDZINI RADZKY, K., BRUCKNER, Viktor, prof., dr. (Budapest VIII., Muzeum korut 4/b).

Synthesis of a dodecapeptide derivative for the formation of corticotropin active polypeptides. Acta chimica Hung 30 no. 2:239-243 '62

1. Forschungsinstitut fur die Pharmazeutische Industrie; Chemische Fabrik Gedeon Richter; und Institut fur Organische Chemie der L. Eotvos Universitat.
2. Editorial Board member, "Acta Chimica Academiae Scientiarum Hungaricae" (for Bruckner).

KISFALUDY, Lajos (Budapest X., Cserkesz utca 63); DUALSZKY, Sandor (Budapest X., Cserkesz utca 63); MEDZIHRADSZKY, Kalman (Budapest VIII., Muzeum korut 4/b); BAJUSZ, Sandor (Budapest VII., Rotten-biller u.26); BRUCKNER, Viktor, prof., dr. (Budapest VIII., Muzeum korut 4/b)

Synthesis of a heptapeptide derivative for the formation of corticotropin of active polypeptides; a preliminary communication.  
Acta chimica Hung 30 no.4:473-476 '62.

1. Chemische Fabrik Gedeon Richter; Institut fur Organische Chemie der Lorand Eotvos Universitat; Forschungsinstitut fur Pharmazeutische Industrie. 2. Editorial Board Member, "Acta Chimica" (for Bruckner).

BRUCKNER, Stanislaw; GAERTNER, Henryk

Alkyamines and their role in carbohydrate metabolism. Przegl.  
lek., Krakow 10 no.9:249-255 1954.

1. Z III Kliniki Chorob Wewnętrznych Akad. Med. w Krakowie.  
Kierownik: Prof. dr J. Aleksandrowicz.

(AMINES, effects,  
alkylamines on carbohydrate metab.)

(NITROGEN MUSTARDS, effects,  
on carbohydrate metab.)

(CARBOHYDRATES, metabolism,  
eff. of alkyamines)

L 34722-66 EWP(j) RM  
ACC NR: AT6025201

SOURCE CODE: HU/2502/65/046/003/0255/0261

AUTHOR: Bruckner, Wilhelm—Adrienne—Bruckner, V. A. (Doctor); Muller, Alexander—  
Ilyullor, A. (Professor; Doctor)

ORIG: none

23  
B+1

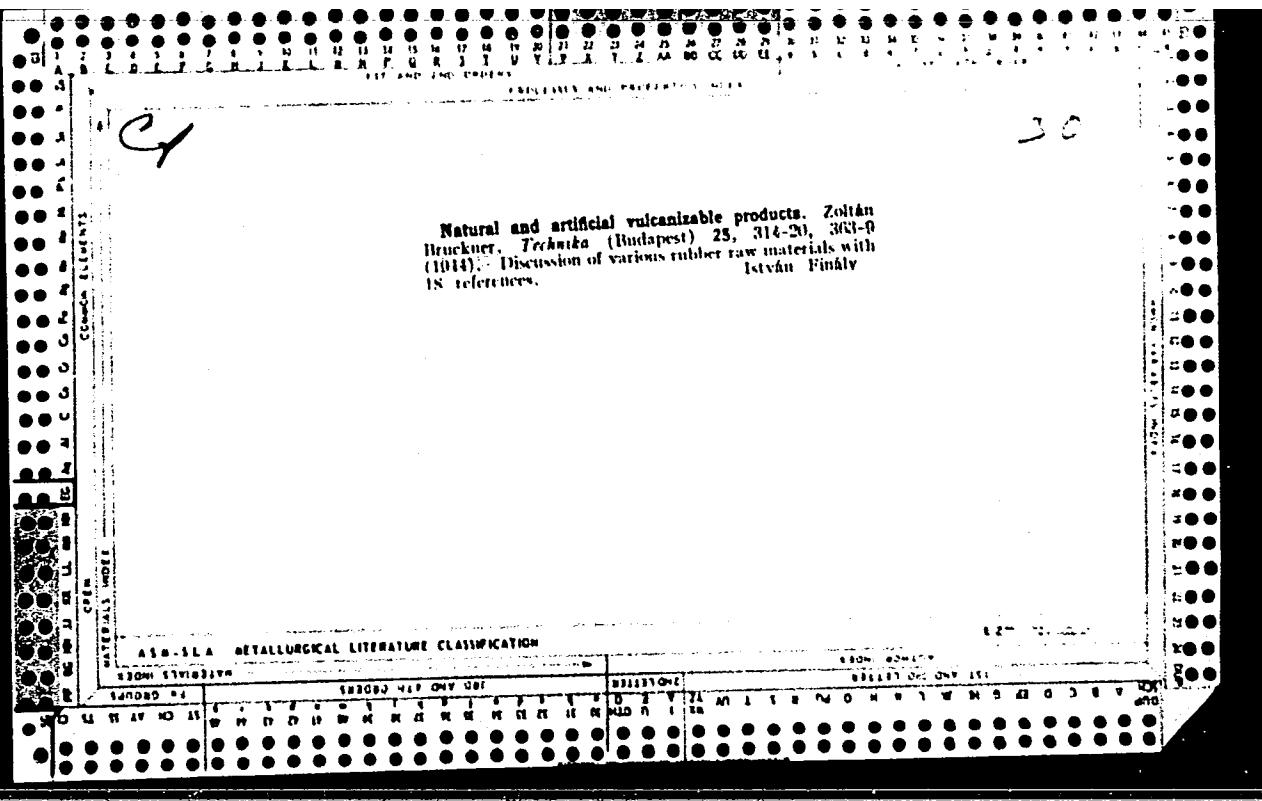
TITLE: Halogen additions with N-bromosuccinimide. Part 2: Synthesis of vicinal bromochloro derivatives of some propenyl phenolethers

SOURCE: Academia scientiarum hungaricae. Acta chemica, v. 46, no. 3, 1965, 255-261

TOPIC TAGS: organic synthetic process, ether, brominated organic compound, chlorinated organic compound

ABSTRACT:  $\alpha$ -bromo- $\alpha$ -chlore propylphenol ethers were synthesized conveniently at satisfactory yields by adding N-bromosuccinimide to the corresponding propenyl phenol ethers mixed with concentrated aqueous hydrochloric acid. Solvolytic reagents attacked invariably the chlorosubstituent of the addition product. The configuration of the  $\alpha$ -C atom in the side chain appeared to be retained in the reaction. The authors thank Mrs. H. Medzihradszky-Schweiger, Mrs. J. Kajtar, and Mrs. S. Kutassy for carrying out the microanalysis. Thanks are also given to Miss A. Kovacs and M. Dabreczeni for assistance with the experimental work. Orig. art. has: 1 table.  
[Orig. art. in German.] [JPRS: 34,165]

SUB CODE: 07 / SUBM DATE: 17Jun65 / ORIG REF: 001 / OTH REF: 007  
Card 1/1 LS



C. 4.

3.1

Bonding vulcanized rubber to fabrics and metals. Zoltán Bertha, Zoltán Jiruckner, Gáza Schay, and Péter Ször (Gumipari Kutató Intézet, Budapest). Magyar Kém. Folyóirat 36, 245-50 (1950).—A mixt. of smoked sheet 1000, resorcinol 165, hexamethylenetetramine 66, and mercaptobenzothiazole 50 parts was processed at 65° for 7 days or dissolved in 2% xylene and treated at 140° for 4 hrs. Processing consisted of prep. sheets about 1 cm. thick and keeping them in a thermostat. Bentene treatment of the product gave 0.71 g. of brown amorphous substance, which, after leaching with water, gave 0.2 g. of a homogeneous EtOH-sol. material, contg. C 66.5, H 6.0, N 3.6, O 23.1%. The product obtained from the xylene treatment contained C 73.4, H 8.8, N 3.5, O 14.3%. The mol. ratio of isoprene to resin-resorcinol was 1:2 for the substance obtained by the long processing. The product obtained by short xylene processing had a ratio of isoprene to resins I to resin II of 47.8:10.3:37.8%. When the same exptl. was repeated without the addn. of mercaptobenzothiazole, a much softer, more elastic product was obtained, contg. C 67.3, H 8.1, N 4.4, O 20.2, and having the component ratios of isoprene:resin I:resin II of 32.1:12.4:47.6%. Evidence was found to prove the existence of an actual chem. bond between rubber and the resorcinol resin. The mechanism of this reaction is supposedly as follows: in the alk. medium obtained by the

presence of hexamethylenetetramine, resorcinol exists in the tautomeric diketonic form, with 2 table H atoms. This H atom is linked to double-bonded H of polyisoprene and in this way a connection of the benzene ring to the isoprene mol. is accomplished. The oxidation of rubber (strongly catalyzed by the presence of mercaptobenzothiazole) causes the formation of a transitional free valency on the methylene group located at the double bond of the isoprene mol. This free valency produces an allyl resonance with a vigorous reactive capacity. Two parallel reaction mechanisms seem to take place: condensation leading to resol formation and a radical effect resulting in the addn. of a H atom. Rayon immersed into the soln. of the rubber-resorcinol resin product and processed by the usual vulcanizing ingredients showed an adhesion to rubber much superior to other known adhesives. With an intermediate layer of pure phenol-HClO resin, the adhesive was suitable for bonding rubber to metals as well. These properties are of practical significance in the manuf. of tires. István Fiakly

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CIA-RDP86-00513R000307110006-3

CH 30

Rubber and synthetic rubber in the U.S.S.R. Zoltán  
Bruckner, ~ Magyar Kém. Lapja 5, 174-6(1950).—General  
summary of methods of production István Finály

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000307110006-3"

4

31

Compounds of rubber and resorcinol-formaldehyde resin.  
Zoltán Bognár and Gábor Schay (Research Lab., Rubber Ind., Budapest, Hung.). *Acta Chim. Hung.* 1, 163-7 (1961)(in English).—When a mixt. of smoked sheet 1000, resorcinol 155,  $(\text{CH}_2)_6\text{N}_4$  64, and m-cresol-formaldehyde resin (I) 80 parts, or mixed sheet 1000, resorcinol 155, and  $(\text{CH}_2)_6\text{N}_4$  65 part was heated 7 days at 65° or for 3 hrs. kept in xylene at 140°, homogeneous and elastic solid products were obtained. It is evident from the compd. that some of the N of the  $(\text{CH}_2)_6\text{N}_4$  entered into the resin. It is assumed that some activation of the rubber chains is required to promote the formation of the compd. I is suitable as an activator for this reaction. The 2 components are bonded chemically by means of an addn. reaction, the linkage occurring on the double bond of an impure unit activated by the oxidizing mechanism of rubber, the attack of which begins on the  $\alpha\text{-CH}_2$  group. The elementary compds. of the products and that of the 4 assumed components give 4 equations which allow calcn. of the possible contents. The fact that the highest percentage of rubber has been found in the product prepd. with I at 140° confirms the above theory.  
István Fáldy

BRUGERNEK ZOLTAN

3100\* The Production of Buna Mixtures Containing Oil and  
Carbon Black From "Igrex S3" Synthetic Latex Olaj és  
koromtartalmú buna-kéverékek előállítása Igrex S3  
műlakatból. (Hungarian.) Zoltán Brugner and Kovács Márton  
Juhászné. Magyar Kémikaiák Lapja, V. 9, no. 10, Oct. 25,  
1954, p. 289-294.

Hungarian experiments on discovering what domestic oil would  
substitute for the thermal decomposition process when mixed  
into synthetic latex, and what simple technology could be used  
to produce a homogeneous dispersion from synthetic latex, oil,  
and carbon black. Tables.

BRUCKNER, Z. AND OTHERS

Use of blown bitumen from Nagylengyel in the rubber industry. p. 282.  
Vol. 11 No. 9 Sept. 1956. MAGAR KEMIKUSOV LAPAJ. Budapest, Hungary.

SOURCE: East European List, (EEAL) Library of Congress Vol. 6, No. 1  
January 1956.

BRUCKNEROVA, O.

Rapid method of erythrocyte sedimentation test; preliminary report.  
Lek.listy 6 no.5:146-149 1 Mar 51. (CIML 20:6)

1. Of the Third Internal Clinic of Masaryk University (Head--Prof.  
Frantisek Hora, M.D.). Author is M.D.

BRUCKNEROVÁ, O.

Experience with the treatment of thrombophlebitis with simultaneous application of pelentan and vitamin E. Lek. listy, Brno 7 no.22:549-552  
15 Nov 1952. (CIML 23:4)

1. Of the Third Clinic (Acting Head--Prof. Jan Pojer, M.D.) of Masaryk University, Brno.

NAHUNEK, K., Dr; BRUCKNEROVA, O., Dr; RODOVA, A., Dr; BILEK, O., Dr

Case of agranulocytosis (following barbiturates) as a complication  
of prolonged sleep therapy. Lek. listy, Brno 9 no.17:385-388  
1 Sept 54.

1. Z psychiatricke kliniky, predn. prof. Dr Zd.Lauterer: Z III.  
vnitrni kliniky, predn. prof. Dr. Jar Pojer. Z Ustavu pro vseob.  
a experimentalni pathologii, predn. prof. Dr. V.Uher.

(AGRANULOCYTOSIS, etiology and pathogenesis,  
barbiturates, in sleep ther.)

(BARBITURATES, poisoning,  
agranulocytosis, in prolonged sleep ther.)

(POISONING,  
barbiturate agranulocytosis in prolonged sleep ther.)  
(SLEEP, therapeutic use,  
barbiturates causing agranulocytosis in)

BRUCKNEROVA, Olga

Clinical value of iron determination in blood. Scripta med.,  
Brno 27 no.3-4;71-80 1954.

1. Z III interni kliniky MU v Brne. Zast. prednosti: prof.  
MUDr et PhDr Jaroslav Pojer  
(IRON, in blood  
determ. after ferrous gluconate admin., clin. value)  
(GLUCONATES  
ferrous, eff. on iron contents in blood, determ., clin.  
value)  
(BLOOD  
iron in, determ. after ferrous gluconate admin., clin.  
value)

BRUCKNEROVA, Olga., MUDr.

~~Therapeutic significance of vitamin E in the clinic.~~  
Vnitř. lek., Brno 1 no.2:137-141 Feb. 55

1. Z III. vnitřní Kliniky MU v Brně, zast. prednosti prof.  
Dr. Jar. Pojer,  
Brno, Travníky 35  
(VITAMIN E,therapeutic use)

BRUCKNEROVA, Olga, MUDr.

Two cases of reticuloendotheliosis with erythroleukemic reaction.  
Vnitr. lek., Brno 1 no.3:161-168 Mar 55.

1. Z III. vnitri kliniky Masarykovy university v Brne. Zas.  
prednosta prof. Dr. Jar. Pojer, Brno. Travniky 35.  
(RETICULOENDOTHELIOSIS, complications  
anemia leukoerythroblastic.)  
(ANEMIA, LEUKOERYTHROBLASTIC, complications  
reticuloendotheliosis.)

BRUCKNEROVA, Olga., MUDr.

Iron metabolism in Plummer-Vinson Syndrome.  
Vnitr. lek., Brno 1 no.4:283-290 Apr 55.

1. Z III. vnitri kliniky MU v Brne, zastupujici prednosta prof.  
MUDr Jaroslav Pojer,  
Brno, Travniky 35

(DEGLUTITION DISORDERS

Plummer-Vinson synd., iron metab.)  
(IRON, metabolism  
in Plummer-Vinson synd.)

EXCERPTA MEDICA Sec. 6 Vol. 11/4 Apr. 57  
BRUCKNEROVÁ O.

2436. BRUCKNEROVÁ O. III. Vnitřní Klin. Brněnské Univ., Brno. \*K nedostatku železa u vředové choroby a stavů po resekci žaludku. Iron deficiency in gastroduodenal peptic ulcer and in postgastrectomy syndrome VNITŘ. LÉK. 1956, 2/3 (202-207) Graphs 1 Tables 3

The iron resorption curve was chosen as an indicator of saturation or non-saturation of the body with iron in 64 patients with peptic ulcer or dumping syndrome. It was established that there are relatively few saturated but more unsaturated curves or low values of serum iron, without any signs of iron absorption in dumping syndrome. In several cases a rise in iron absorption was achieved following a cure in Karlovy Vary (Karlsbad) and sometimes following i.v. iron injections. The importance of iron application in dumping syndrome and in gastroduodenal ulcer disease in general is stressed as these conditions facilitate the onset of iron deficiency. The significance of food rich in proteins is pointed out.

BRUCKNEROVA, O.; POJER, J.; with the technical assistance of  
EISENWORTOVA, Z.

Serum iron levels in congestive heart failure. Cor vasa 5  
no. 3:177-183 '63.

1. IIIrd Internal Clinic, Medical Faculty, Purkyne University,  
Brno, Czechoslovakia.

(HEART FAILURE, CONGESTIVE) (IRON)  
(TRANSFERRIN) (COPPER)  
(BLOOD CHEMICAL ANALYSIS)

BRUCKOVA, B.

"Variability Of The Genus Amphidasis Betularia L. In Bohemia." p. 1.  
(Sbornik. Acta Entomologica. Vol. 26, No. 356, 1948-50, Praha.)

Vol. 3, No. 3.  
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BRUCKOVA, B.

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Bruckova, B.

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Vol. 125, no. 1, 1956

Source: EEAL - LC Vol. 5. No. 10 Oct. 1956

BRUCKOVA, MARIE

ZAHRADNICKY, Jiri, MUDr; SYRUCHK, Lubomir, MUDr; BRUCKOVA, Marie;  
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SALACOVA, Jitka

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1. Ustav epidemiologie a mikrobiologie v Praze, red. doc. Dr Karel  
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(STREPTOCOCCUS,  
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l. Ustav epidemiologie a mikrobiologie, Praha 12, Srobarova 48, Czechoslovakia.

(STREPTOCOCCUS, effect of drugs on sulfonamide resist. of beta hemolytic strains in vitro)

(SULFONAMIDES, effects resist. of beta hemolytic streptoc. in vitro)

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Studies on the determination of sulfonamide resistance of beta hemolytic streptococci in vitro. Cesk. epidem. mikrob. immun. 7 no.3:147-162 May 58.

1. Ustav epidemiologie a mikrobiologie v Praze,  
(**STREPTOCOCCUS**, effect of drugs on,  
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on Streptoc., determ. of resist. in beta hemolytic strains (Cx))

SYRUCEK, L.; BRUCKOVA, M.; BRYNDOVA, D.; ZEMAN, L.

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K. Raska Kojenecky ustav v Praze - Krci, reditel MUDr. L. Zeman.  
(ADENOVIRUS INFECTIONS)

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1. Ustav epidemiologie a mikrobiologie v Praze -- Katedra preventivní  
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(VIRUS DISEASES) (ANIMAL VIRUSES)  
(RESPIRATORY TRACT INFECTIONS)

SOBESLAVSKY, O.; SYRUCK, L.; BRUCKOVA, M.; HERDEGEN, L.; STICHEN-WIRTHHOVA, B.; ZAFLETAL, A.; SAMANKOVA, L.; DANEKOVA, J.; ABRAHAMOVIC, M.; K' JCI, D.; FIRKOVA, Z.

A contribution on the ecology of *Mycoplasma pneumoniae* infections.  
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1. Institute of Epidemiology and Microbiology, Prague, 2nd and 4th Pediatric Clinics of the Medical Faculty, Chair of Preventive Pediatrics of the Medical Faculty, Paediatric, urohinolaryngological and Medical Clinics of the Medical Hygiene faculty, Charles University, Prague.

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epidem. 14 no. 2:81-87 Mr '65

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1. Ustav epidemiologie a mikrobiologie, Praha, a Katedra pre-  
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sity, Praha.

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Etiology of acute bronchiolitis and related severe acute respiratory diseases in children. Cesk. pediat. 20 no.2:97-105  
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University v Praze (ředitel: prof. dr. J. Houstek, DrSc.); Ustav  
epidemiologie v Praze (ředitel: prof. dr. K. Raska, DrSc.).

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1. Ustav epidemiologie a mikrobiologie, Praha (zast. reditel:  
dr. L. Syrucek, CSc.).

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Clinical and anatomical considerations on surgery of congenital manus vara. Acta chir. orthop. traum. czech. 23 no.4:219-223 July 56.

1. Z II kliniky pro orthopedickou a detskou chirurgii v Praze,  
prednosta prof. Hnevkovsky, a z anatomickeho ustavu KV v Praze,  
prednosta prof. Borovansky.

(HAND, abnormalities  
manus vara, surg. (Cs))

BRUCKOVA, Z., Dr.

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prednosta prof. Dr. O. Hnevovsky.

(POLIOMYELITIS, compl.

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(SACROILIAC JOINT, dis.)

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BRUCKOVA, Zdenka

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l. II.ortopedicka klinika KU v Praze, prednosta prof. dr. O.  
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(FRACTURES therapy) (SKIN wds. & inj.)

VOL'FSON, G.A.; BRUD, V.G., starshiy inzhener otdela.

Tester lead-in and lead-in posts for regional telecommunication offices. Vest.sviazi 16 no.1:6-9 Ja '56. (MLRA 9:5)

1. Nachal'nik otdela TSentral'nogo konstruktorskogo byuro (for Vol'fson).  
(Telegraph lines)

BRUD, V.G.

## PAGE 1 BOOK REFERENCE

BOF/5087

USSR. Ministerstvo sredstv Massovoj informatsii. Rabochicheskoye obozreniye

Novye apparatura elektronnykh i elektroopticheskikh informatsionnykh oborudovaniy (Novy Elektronno-Telekomunicatsionnyi i Power Supply Equipment). Collection of Information. Moscow, Sovetskaya Rossiya, 1959. 100 p. (Series: Rabochikaia sredstva)

Rez. Ed.: V.A. Teplov; Ed.-i Tch. N. D. Kondratenko and N.M. Mordvinina;

Post. Ed.: I.P. Karabikova.

PURPOSE: This collection of articles is intended for technical personnel of the Ministry of Communications USSR and its subordinate telecommunications establishments.

CONTENTS: The articles in this collection describe various new pieces of Soviet equipment used in electrical communication systems. These include broadcast studio equipment, mobile audio amplifiers, transmitters, cable paths, converters, rectifiers, and switchboards. No personalities are mentioned. References accompany the articles as footnotes.

Metser, Ch.M., and B.M. Baranovskiy. Aud./Ch. "Radios Glaz" (Radio Eyes).  
This article provides telephone line service. The author describes its principles of operation, and the block diagram of the unit.Neret, Ch. M. 17 - 200 Line Transformer with Lightning Arrestor.  
This power transformer is designed for operation with overhead transmission lines of wire broadcasting systems. The author describes the diagram and design of the transformer.Philippov, V.J. Subscribers Telegraph Station or the ATR-M Low Capacity System.  
This station is designed for installation in object or regional communication centers of the subscriber's automatic telegraph system. Its capacity is 10 subscribers' installations and 3 voice-frequency channels.Brod, V.B. VTB Lead-In Cable Cabinet Books.  
The author lists a variety of racks for connecting balanced cables of varying capacities. A table indicates the types of mounting plates for each rack. The author also describes power supply operation of the rack assemblies.Philippov, V.J. 110-60 Lead-In Rack.  
The author briefly describes the structure and operation of this rack, which serves for connection and operation of communication cables and overhead lines, and for protection of station equipment.Brodskiy, M.V., G.A. Pol'son, and V.D. Stenbakhov. Constant Voltage Direct Current Converters with Transformer Rectode.  
These converters provide power supply for communication equipment by means of a single battery. The article also describes operating principle, advantages and disadvantages, field of application and components. The results of experiments with 3 types of converters are shown in a table.Golikov, L.S. VGS-5/50 Rectifier Assembly.  
The rectifier serves as a power supply for equipment used in intraregion and intracity telecommunications and in dial telephone systems. The author gives the circuit diagram and design of the assembly.Eksantsev, L.S. EK-1 Combined Switchboard.  
The switchboard connects local subscribers among themselves and connects long distance lines with local telephone network subscribers and with those of the automatic telephone system. The article describes circuit diagrams and structural details of the new boards.Tigorevich, M.N. EK-1 Drilling Kit.  
The rig drills the holes for earthed line poles. The author describes the functional diagram, design, and operation of the assembly.

AVAILABLE: Library of Congress.

REF ID: A12162

BRUD, Wladyslaw; DANIEWSKI, Wlodzimierz

Application of thin layer chromatography to quantitative detection of linalool in linalyl acetate. Chem anal 8 no.5:753-756 '63.

1. Department of Auxiliary Agents, Institute of General Chemistry, Warsaw.

BRUD, Wladyslaw

POLAND

BRUD, Wladyslaw; DANIEWSKI, Wlodzimierz

Department of Auxiliary Agents, Institute of General Chemistry (Zaklad Syntezy Srodkow Pmocniczych Instytutu Chemii Ogolnej), Warsaw (for both)

Warsaw, Chemia analityczna, No 5, 1963, pp 755-56.

"An Application of Thin Layer Chromatography to Quantitative Detection of Linalol in Linalyl Acetate".

BRUD, Wladyslaw, mgr inz.; DANIEWSKI, Wlodzimierz

Thin-layer chromatography as an industrial analytic method;  
determination of anesthesine in ethyl p-glycoyl-aminobenzoate  
and of resorcin and resorcin diacetate in products of resorcin  
monoacetate synthesis. Chem anal 9 no.2:267-273 '64.

1. Department of Synthesis of Auxiliary Substances, Institute of  
General Chemistry, Warsaw.

BRUDA, B.

Early diagnosis of cancer. Prakt. Arzt 4 no. 36:228-230 15 My '50.  
(GIML 19:3)

*BRUDA, B.E.*

BRUDA, B. E.

Modifications of the blood picture due to the injurious effects  
of roentgen rays. Prakt. Arzt. 4:41, 15 Oct. 50. p. 538-40

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ERUDA, N.

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CERCHEZ, V., dr.; BRUDA, N., ing.; IORDACHE, Gh., ing.

Improving the quality of oils by means of additives. Petrol si  
gaze 14 no.l:37-45 Ja '63.

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HOINARESCU, E.; CHIOREAN, V.; GAVRUS, A.

Contribution to the study of disorders of metabolism in urinary  
lithiasis. II. Med. intern., Bucur 13 no.1:71-85 Ja '61.

1. Lucrare efectuata in Clinica de urologie din Cluj in colaborare  
cu Catedrele de biochimie, anatomie patologica, Bacteriologie si  
fizica medicala.

(URINARY CALCULI metabolism) (CALCIUM metabolism)  
PHOSPHORUS metabolism) (MAGNESIUM metabolism)  
(PROTEINS metabolism)

BRUDA, P., conf.; BERARIU, T., dr.; SIMPLACEANU, L., dr.; GOSA, C., dr.; CHIOREANU, V., chim.; CAPIRA, S., chim.

Contribution to the study of the metabolism disorders in urinary lithiasis. Med. intern., Bucur 12 no.12:1795-1804 D '60.

1. Lucrare efectuata la Clinica urologica Cluj (director, conf. P. Bruda), catedra de bichimie Cluj (prof. I. Manta), catedra de anatomie patologica Cluj (prof. A. Muresanu), catedra de bacteriologie Cluj (prof. Gh. Badenschi), catedra de fizica medicala Cluj (conf. R. Opreanu).

(URINARY CALCULI etiology) (NEPHRITIS complications)  
(KIDNEY metabolism) (BLOOD PROTEINS)

BRUDA, P.; BERARIU, T.; GOSHA, K.; GRIUN, I.

On the problem of the biochemical etiopathogenesis of calculi of the  
urinary bladder. Rev. sci. med. 7 no.1/2:23-27 '62.  
(URINARY CALCULI)

BRUDA, P., prof.; BERARIU, T., dr.; GOSEA, C., dr.; CIURDARIU, P., dr.

Contribution to the clinical and functional study of interstitial nephritis. Med. intern. 15 no.11:1287-1293 N '63.

1. Lucrare efectuata in Clinica de urologie, Cluj (director: prof. P. Bruda), si Clinica a II-a medicala (director: prof. I. Goia), I.M.F., Cluj.  
(NEPHRITIS, INTERSTITIAL) (DIAGNOSIS)

BRUDASTOV, A. D.

189T54

USSR/Hydrology - Agricultural Improvements

Aug 51

"Method of Agricultural Improvements in Non-Chernozem Belt," Prof A. D. Brudastov

"Gidrotekh i Meliorat" No 8, pp 76-80

Brudastov criticizes article by B. G. Geytman (cf. "Gidrotekh i Meliorat," No 11, 1950). Geytman's conclusions that water cannot be regulated in structureless soil is found faulty. Geytman is also accused of having been too much influenced by V. R. Williams, whose knowledge of

189T54

USSR/Hydrology - Agricultural Improvements (Contd)

Aug 51

agricultural methods is strongly criticized. Brudastov suggests cutting, in each section, consisting of dried mud, of limited network of temporary furrows to facilitate the runoff of melted snow water.

189T54

BRUDASTOV, A

D

N/5  
623.898  
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1955

Osusheniye Mineral'nykh i Bolotnykh Zemel' (Reclamation of Mineral and Marshy Lands) Izd. 4. Moskva, Sel'khozgiz, 1955.

442 p. Diagrs., Tables.

At Head of Title: (Moscow) Vsesoyuznyy Nauchno-Issledovatel'skiy Institut Gidrotehniki i Melioratsii.

BRUDASTOV, A.N.

Experimental homoplasty of the cranium with cranial bones of newborn.  
Doklady Akad nauk SSSR 86 no. 5:1057-1060 11 Oct 1952. (CIML 23:3)

1. Presented by Academician A. I. Abrikosov 26 June 1952.
2. Kirgiz State Medical Institute, Frunze.

BRUDASTOV, A.N.

Homoplastic replacement of cranial defects in rabbits. Dokl.  
AN SSSR 94 no.1:161-164 Ja '54. (MLRA 7:1)

1. Kirgizskiy gosudarstvennyy meditsinskiy institut (g.Frunze).  
(Bone-grafting)

BRUDASTOV, A.N.

Homoplastic grafting in cranial defects in rabbits. Doklady Akad.  
nauk SSSR 94 no.1:161-164 1 Jan 1954. (CIML 25:5)

1. Presented by Academician A. I. Abrikosov 28 October 1953. 2. Kirgiz  
State Medical Institute, Frunze.

ERDASTOV , A.N.

"Experimental Homoplastic Correction of Defects of the Cranium." Cand Med Sci,  
Kirghiz State Medical Inst, Frunze, 1955. (KI, No 16, Apr 55 )

30: Sub. No. 705, 2 Nov 55 - Survey of Scientific and Technical Dissertations  
Defended at USSR Higher Educational Institutions (16).

SOV/112-57-9-18500

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 9, p 58 (USSR)

AUTHOR: Brudastova, M. A.

TITLE: Prolonging the Service Life of Hydraulic Structures in Pond-Type  
Fisheries (Udlineniye sroka sluzhby gidrotekhnicheskikh sooruzheniy v  
prudovykh rybovodnykh khozyaystvakh)

PERIODICAL: Tr. Vseros. n.-i. in-t prud. ryb. kh-va, 1956, Vol 8, pp 198-205

ABSTRACT: Bibliographic entry.

Card 1/1

BRUDASTOVA, M.A.; ROSHCHIN, N.P.

Utilizing open peat pits for the establishment of fish ponds.  
Torr.prom. 36 no.8:29-32 '59. (MIRA 13:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prudovogo rybnogo  
khozyaystva (for Brudastova). 2. Petrovsko-Koblevskoye torfo-  
predpriyatiye (for Roshchin).  
(Peat) (Fish ponds)

AKHMEROV, A.Kh., kand.biol.nauk; BATENKO, A.I., kand.sel'skokhoz.nauk;  
BRUDASTOVA, M.A., kand.tekhn.nauk; GOLOVINSKAYA, K.A., kand.biolog.  
nauk; GORDON, D.M., kand.ekon.nauk; DOROKHOV, S.M., rybovod-biolog;  
YEROKHINA, L.V., rybovod-biolog; IL'IN, V.M., rybovod-biolog;  
ISAYEV, A.I., rybovod-biolog; KADZEVICH, G.V., rybovod-biolog;  
KOMAROVA, I.V., kand.biol.nauk; KRYMOVA, R.V., rybovod-biolog;  
KULAKOVA, A.M., rybovod-biolog; MAMONTOVA, L.N., kand.biol.nauk;  
MEYSNER, Ye.V., kand.biol.nauk; MIKHAELEV, P.V., kand.biol.nauk;  
MUKHINA, R.I., kand.biol.nauk; PAKHOMOV, S.P., kand.biol.nauk;  
SUKHOVERKHOV, F.M., kand.biol.nauk; SOKOLOVA, Z.P., rybovod-bio-  
log; TSIUNCHIK, R.I., rybovod-biolog; RYZHENKO, M.I., red.; KOSOVA,  
O.N., red.; SOKOLOVA, L.A., tekhn.red.

[Handbook on pond fish culture] Spravochnik po prudovomu rybovodstvu.  
Red.kollegija: A.I.Isaev i dr. Moskva, Pishchepromisdat, 1959. 374 p.  
(MIRA 13:4)

1. Moscow. Vserossiyskiy nauchno-issledovatel'skiy institut prudo-  
vogo rybnogo khozyaystva.

(Fish culture)

BRUDASTOVA, Mariya Alekseyevna; KONDRAT'YEV, Timofey Terent'yevich;  
MUKHINA, Ye.M., red.; POLUYEKHINA, N.I., tekhn. red.

[Mechanization of work in fish pond management] Mekhanizatsiya rabot v prudovykh rybovodnykh khoziaistvakh. Moskva, Rybnoe khozaiystvo, 1962. 22 p. (NIRA 16:6)  
(Fish ponds)

BRUDASTOVA, Mariya Alekseyevna; MUKHINA, Ye.M., red.; POLUYEKHINA,  
N.I., tekhn. red.

[Hydraulic structures for pond fish farms] Gidrotekhnicheskie  
sooruzheniya prudovykh rybovodnykh khoziaistv. Moskva, Ryb-  
noe khoziaistvo, 1962. 32 p. (MIRA 15:10)  
(Fishponds)

BRUDASTOVA, M.A.

Building fishponds in abandoned peat banks. Trudy sov. Ikht.  
kom. no.14:100-103 '62. (MIRA 15:12)

1. Vserossiyskiy nauchno-issledovatel'skiy institut prudovogo  
rybnogo khozyaystva (VNIPRKh).  
(Fishponds)

BRUDASTOVA, M.A., kand. tekhn. nauk; ROSHCHIN, N.P.

Design and planning of fishponds for fish culture in peat enterprises.  
Torf. prom. 39 no.6:16-18 '62. (MIRA 16:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut pridovogo  
rybnogo khozyaystva (for Brudastova). 2. Petrovsko-Kobeliovskoye  
torfopredpriyatiye (for Roshchin).  
(Peat industry) (Fishponds)

AUTHOR: Brudastova, R.A., Engineer SOV/99-58-10-5/13

TITLE: The Kinetics of the Flow of Water From Drained Soils (O kinetike stekaniya vody iz osushayemykh pochvogrunтов)

PERIODICAL: Gidrotehnika i melioratsiya, 1958, Nr 10, pp 31-35 (USSR)

ABSTRACT: The forming of swamps or water-logging of heavy soils is often due to insufficient run-off of water from soils, and at slow drainage, the layer moistened by capillary action is near to the surface of the soil - even in the case of a lowering of the level of ground waters. To investigate this problem more closely, experiments have been carried out on soils with a high permeability, under the supervision of A.T. Morozov. A general theoretical scheme was adopted for this purpose according to the tenets established by N.Ye. Zhukovskiy. Experimental data of various scientists (E. Wolny, King, L.F. Lebedev, S.M. Proskurnikov, A.T. Morozov) has been studied in this connection by the author. He constructed the given curves

$$\bar{\mu} = \frac{q}{q_f}, \quad \tau = \frac{t}{T},$$

Card 1/2 and calculated the relative importance of  $\tau$  = the ratio of  $t$  (duration of water yield) to  $T$  (duration of the filtra-

SOV/99-58-10-5/13

The Kinetics of the Flow of Water From Drained Soils

tion of the volume of  $Q_n$  ), and  $\mu = \phi (\lg \tau)$  which characterizes the variations of the relative water yield for the stationary and non-stationary flow of water. In conclusion the author gives a detailed analysis of these curves. There are 4 graphs, 1 table, and 6 references, 4 of which are Soviet, 1 American, and 1 German.

1. Soils--Moisture factors    2. Water--Disposal    3. Fluid flow  
--Theory    4. Drainage

Card 2/2

BRUDASTOVA, R.A., insh.

Retarded flowing off of water in the drainage of swampy lands.  
Mauch.zap. MIIVKH 22:177-198 '60. (MIRA 13:8)  
(Drainage)

BRUDE, A.I.; BRAUDE, N.I.; ZAVENYAGINA, Ye.A.

Activity of acid phosphatase of macrophages as related to  
special features of their functional state. Dokl.AN SSSR 145  
no.3:677-680 Jl '62. (MIRA 15:7)

1. TSentral'nyy institut usovershenstvovaniya vrachey i  
Moskovskiy institut epidemiologii i mikrobiologii. Predstavлено  
akademikom N.N.Anichkovym.  
(PHOSPHATASE) (MACROPHAGES)

BRUDE, B. I.

37695 o proiritete russkikh akjsherov-ginekologov. (k istorii guechestv.  
nauki). akusherstvo i ginekologiya, 1949, No. 6, s. 21-24.

So. Letopis' Zhurnal'nykh Statey, Vol. 6, 1949

POLAND

DLUZEWSKI, M. and BRUDERER, G., Chair for the Technology of the Agricultural and Food Industry (Katedra Technologii Przemyslu Rolno-Spozywczego) of the SGW [Szkola Glowna Gospodarstwa Wiejskiego, Main School of Rural Economy] in Warsaw

"Proteolytic Activity of *Qospora lactis*."

Warsaw, Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Biologiques, Vol 11, No 5, 63, pp 221-225.

Abstract: [English article, authors' English summary modified] Ripening of cheese with *O. lactis* increases the water-soluble nitrogen and changes greatly the electrophoretic picture of the casein. There is a split into two peaks in the region of alpha-casein, and a decrease in the concentration of the beta-casein suggesting its hydrolysis by the *O. lactis*. There are 16 references, of which two (2) are in Polish, one (1) in Russian, and the others are Western.

1/1

BRUDIN, I.

Pioneers' agricultural meteorological station. IUn. tekh. 5 no.2:68-  
70 F '61. (MIRA 14:5)  
(Pioneers (Communist youth)) (Meteorology, Agricultural)

BRUDIN, I.D.

Brudin, I.D. "On the spread of the water nut in Chkalovsk oblast," Izvestiya  
Chkal otd. (Geogr. o-vo SSSR), Issue 1, 1948, p. 74-75

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

Bogdian, T.D.

3

3.6-149

551.578.45;551.577.51;551.585.7(17)

Bredin, I. D., Sazhnye luki v otogakh izzhino Predural'ja. [Snowstorms in the passes of the Southern Urals.] *Voprosy Geograficheskogo Obshchinstva, Izdatia*, 83(2):205-206, March-April 1951. DLG--The author describes the topography in the Chkalov Region and several instances of heavy snowfall during 1948 and 1949. The highest elevations of the Southern Urals were found to be the coldest and had the highest snowfall and longest duration of snow cover. *Subject Heading:* 1. Snowstorms 2. Orographic effects 3. Mountain observations 4. Southern Urals, U.S.S.R. T.L.D.

kr

BRUDIN, I. D.

"Electromagnetic atmospheric Phenomena in Southern Near-Ural".

Vest. Khim. o-va imeni D. I. Mendeleyeva, Cykalovskoye Otd., No 5, pp 81-85, 1954.

Five cases of exceptionally strong electric discharges and the ensuing northern lights observed in Chkalov region due to a magnetic storm in March 1940 are described. The necessity of the study of electric and magnetic phenomena of the atmosphere as affecting meteorology is stressed. Northern lights were also seen in Chkalov in October 1951.  
(RZhFiz, No 11, 1955)

SO: Sum No 884, 9 Apr 1956

BRUDIN, I.D.

USSR/Miscellaneous - Drift logs

Card 1/1 Pub. 86-22/33

Authors : Brudin, I. D.

Title : Ural "moreny" (dark-stained in flood water) oak

Periodical : Priroda 43/11, page 115, Nov 1954

Abstract : An explanation is given of how floods caused the presence of oak logs in the Ural River, which have a characteristic dark color and are used for making certain articles acquiring a high polish.

Institution : ...

Submitted : ...

BRUDIN, I.D.

Bramble in the dry steppes of the southern piedmont of the Ural Mountains. Priroda 45 no.4:115-116 Ap '56. (MLRA 9:?)

1.Chkalovskiy sel'skokhozyaystvennyy institut.  
(Ural Mountain region--Raspberries)

BRUDIN, I.D.

Migration of sushks in the dry steppes of the southern Ural region.  
Priroda 46 no.2:111-112 F '57. (MLRA 10:3)

1. Chkalovskiy sel'skokhozyaystvennyy institut.  
(Ural Mountain region--Susliks)

AUTHOR: Brudin, I.D. SOV-26-58-11-47/49

TITLE: In the Orenburg Steppes (V Orenburgskikh stepyakh)

PERIODICAL: Priroda, 1958, Nr 11, pp 126 - 127 (USSR)

ABSTRACT: The author enumerates plants, trees, birds, insects and mammals and how they are affected by Fall in this region.

ASSOCIATION: Orenburgskiy sel'skokhozyaystvennyy institut (The Orenburg Agricultural Institute)

1. Meteorology--USSR

Card 1/1

SOV/26-59-4-43/43

3(2), 30(1)  
AUTHOR:

Brudin, I.D.

TITLE: Spring in the Steppes of Orenburg (Vesna v Orenburgskikh stepyakh)

PERIODICAL: Priroda, 1959, Nr 4, pp 127-128 (USSR)

ABSTRACT: The author characterizes spring in the steppes of Orenburg lasting from 26 March to 15 May as especially short and famous for its inconstant natural phenomena and impetuous approach describing simultaneously the various spring plant varieties of this region. There is 1 sketch.

ASSOCIATION: Orenburgskiy sel'skokhozyaystvennyy institut (Orenburg Institute of Agriculture)

Class 1/1

BRUDIN, I.D.

Biometeorology. Priroda 50 no.4:23-30 Ap '61. (MIRA 14:4)

1. Orenburgskiy sel'skokhozyaystvennyy institut.  
(Weather—Mental and physiological effects)

DOLYA, V. (g.Rezekne); VLASOV, A. (g.Sverdlovsk); BULEGA, P. (s.Kurashevtsy,  
Vinnitskaya obl.); MIRONOV, Ye. (sovkhоз Neyelovo, Smolenskaya obl.);  
VOLKOV, V. (s.Kazanka, Nikolayevskoy oblasti); BRUDKIN, A.  
(Khabarovskiy kray)

Suggestions of the wire broadcasting workers. Radio no.2:49-50  
F '62. (MIRA 15:1)  
(Wire broadcasting--Equipment and supplies)

BRUDKOV, N.; KIRIK, I.; AL'F, M.; KURBATOV, Yu.

"Our suggestions for improving the economic work of financial organs." Fin. SSSR 22 no.7:72-76 Jl '61. (MIRA 14:7)

1. Nachal'nik sektora otchisleniy ot pribyli Belgorodskogo oblastfinotdela (for Brudkov). 2. Zamestitel' nachal'nika otdela gosdokhodov Kirovogradskogo gorfinotdela (for Kirik). 3. Zaveduyushchiy Novopromyshlennym rayfinotdelom g. Kalinina (for Al'f). 4. Nachal'nik inspektsii gosdokhodov Kominternovskogo rayfinotdela Khar'kova (for Kurbatov).

(Finance) (Auditing)

BRUDKOV, N.; POPOV, I.

Important element of economic work. Fin. SSSR 23 no.12:61-62  
D '62. (MIRA 16:1)

1. Nachal'nik sektora Belgorodskogo oblastnogo finansovogo  
otdela. (for Brudkov).

(Belgorod Province—Finance)

37211  
P/014/62/041/004/002/004  
D204/D301

15. 8312

AUTHORS:

Nieroda, Bernard, Brudkowska, Barbara and Raczka,  
Edmund

TITLE: Electroinsulating lacquers for higher class insulation

PERIODICAL: Przemysł chemiczny, v. 41, no. 4, 1962, 176 - 180

TEXT: The following types of lacquers were investigated, to assess their potential in higher class insulation: 1) Polyisocyanate - terephthalic lacquers for insulating winding wires; 2) unicomponent winding-saturating lacquers based on stabilized polyisocyanate resin whith various polyesters; 3) air-drying two-component covering lacquers based on unstabilized polyisocyanate and a number of polyester and modified alkyd resins; 4) silicones. A description of each type, especially (4), is given and results are recorded of elasticity and electric strength after aging at 130 - 180°C for wires insulated with (1) and drying characteristics, dielectric strength, transverse specific resistance, water adsorption and bending strength for types (2), (3) and (4). Data for a saturating alkyd-phenolic and a covering oil resin are given for comparison. The results are

Card 1/2

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